Marlborough Primary Academy School SCIENCE Key Vocabulary

It is crucial that children have explicit and robust instruction in vocabulary, **to support their verbal and written communication**. At Marlborough Primary Academy, we know that a good understanding of a wide range of vocabulary supports success across the whole curriculum. Therefore, children are regularly taught new vocabulary in all areas of the curriculum.

We know that vocabulary is developed in two ways:

- 1) Through indirect instruction; using rich reading experiences to grow vocabulary 'naturally'. Paying attention to context to work out meaning and using background knowledge.
- 2) Through direct 'robust' instruction. Good vocabulary instruction involves...
 - a. Decisions about which words to teach
 - b. Decisions about how to teach these words

Vocabulary learning at Marlborough is taught in a fun and active way across the curriculum. Each unit of learning within each subject has key vocabulary identified and taught.

Having key subject specific vocabulary gives our children cultural capital to be able to engage with the wider world as they move through life.

	Willows Class		Maple Class			Sycamore Class			Beech Class			
	Term 1	Term 2	Term 3	Term 1	Term 2	Term 3	Term 1	Term 2	Term 3	Term 1	Term 2	Term 3
2023-	herbivore, face, carnivore, hair,		animals,	discover,	material,	acid, adult	absorption,	, alloy,	battery, branches,	accomplishments,	absorbed,	
2024	omnivore, leg	, human, kn	iee,	babies,	scientist,	different,	teeth, canines,	anthropic, bone	Antarctica,	bulb, buzzer,	altricial,	angle, angle of
	animal, arm, f	fish, elbow,	birds,	young,	gravity, pulling	types, wood,	carnivore,	fossil, building,	Arctic,	complete circuit,	amphibian,	incidence, angle
	back, head, to	oes, ear, ha	nds, eye,	adults,	it, working	plastic, metal,	crown,	burns, carve,	attract, bar	component,	anther, arthropod,	of reflection,
	fingers, mouth			species,	scientifically,	glass, stone,	damage,	crystals, decay,	magnet,	conductor, electric	asexual, bird,	angle of
	trunk, fruit, br	anch, roots,	leaves,	extinct,	rainbows,	fabric,	decay, dentine,	decompose,	button	current, electric	budding, bulbs,	refraction, bend,
	bulb, flowers,			survive,	prism,	properties,	digestive	dissolve,	magnet,	shock, electrical	carpel, class,	cornea,
	metal, wood,			eggs, live	experiment,	absorbent,	system,	durable, earth,	compass,	current,	discoveries,	ecosystems,
	glass, soft, pa			young,	colours, lens,	bad idea,	enamel, gall	erosion, extinct,	cylindrical	electricity,	echinoderm,	electromagnetic,
	smooth, shiny			mammals,	white light,	bendy,	bladder,	fossil,	magnet	electrons,	embryo,	radiation, glare,
	day, Spring, d			pregnant,	telescope,	compare, dry,	herbivore,	fossilisation,	direction,	generator, high	exoskeleton,	illusion, incident
		Winter, night, Season, Moon, Sun, older,		,	space.	dull, fabric,	incisors,	friction, grains,	distance,	voltage, insulator,	fetus (foetus),	ray, iris, lens,
	Earth, Moon,			teenager,	observatory,	good idea,	intestine, liver,	igneous,	Earth, field,	motor, parallel	filament, fish,	light pollution,
	star, loud, quiet, volume, sound, tod		toddler,	wind vane,	group, hard,	milk teeth,	impermeable,	force, friction,	circuit, power,	gestation,	light trespass,	
			food,	anemometer,	investigate,	molars,	metamorphic,	fridge,	power source,	grafting, internal	light waves,	
				vitamins,	questions,	material,	oesophagus,	minerals, mold	gravity,	proton, series	organs,	opaque, optic
				minerals,	observations,	metal, not	omnivore,	fossil, molten,	horseshoe	circuit, simple	invertebrate, life	nerve,
			carnivores,	acoustics,	absorbent, not	pancreas,	natural,	magnet,	circuit, switch,	cycle, mammal,	perpendicular	
			herbivores,	control,	bendy, not	plaque,	organism, origin,	investigate,	symbol, voltage,	molluscs,	joint, prism,	
	omnivore			predict,	waterproof,	premolars,	palaeontologist,	iron, like,	voltmeter, volts,	naturalist,	pupil, reflected,	
			water, air,	fungus, germs,	opaque,	pulp, rectum,	paleontology,	magnet,	adapt, adaptation,	offspring, ovary,	reflected ray,	
			oxygen,	disease,	paper, rock,	root, stomach,	permeable,	magnetic,	artificial selection,	ovule, parent	refraction,	
			breathe,	spread, sterile,	rough, shiny,	sugar, teeth,	polished, porous,	magnetised,	cell,	plant, precocial,	retina, rods and	
					circuit, wire,	smooth, soft,	tooth, wisdom	properties,	man-made,	characteristics,	propagating,	cones, shadow,

	hulb aliva	oort otiff	1	romaine regin	motorial	ah ramasama	ronrodustion	abialdina
	bulb, alive,	sort, stiff,		remains, resin	material,	chromosome,	reproduction,	shielding,
	energy, move,	stretchy,		fossil, rock	movement,	climate change,	reptile, runners,	skyglow, the
	grow, respond,	transparent,		segments, rocks,	natural, non-	DNA, dominant,	sexual,	visible
	respire,	umbrella Venn		sculpture,	magnetic,	dominant and	significant,	spectrum,
	reproduce,	diagram,		sediment,	north, object,	recessive,	species, sponges,	translucent,
	waste, die,	water, water		sedimentary,	opposite,	environment,	spores, stamen,	transmitted,
	sunlight, food,	object,		soil, submerge,	pointer, pole,	evolution, extinct,	stigma, style,	transparent,
	living, non-	waterproof,		tourists, trac,	pull, push,	extinction, fossil,	tubers,	wave frequency,
	living, habitat,	wet		fossil, uses	real-life,	gene, hereditary,	vertebrate,	wavelength,
	woodland,	anchor, baby		Celsius, change	record, repel,	ichthyosaur,	viviparous, worm,	white light
	pond, ocean,	plant		of state,	ring magnet,	inheritance,	zoologist	
	mountain,	(embryo),		condensation,	shape, south,	invasive species,	(names of	
	seaside,	bean seed,		condenses,	speed, start,	living things,	planets), asteroid	
	coast,	bulb,		convert, cycle,	steel, stop,	natural selection,	belt, atmosphere,	
	rainforest,	conditions,		degree Celsius,	strength,	palaeontologist,	axis, climate	
	desert, artic,	dispersal,		evaporation,	surfaces,	plesiosaur,	conditions, crater,	
	micro-habitats,	dissect,		freeze, gas,	travel,	predator,	crescent,	
	invertebrates,	dormant,		liquid, material,	absorb,	recessive,	daylight, daylight	
	mini-beasts,	expedition,		melting, pace,	amplitude,	reproduce,	hours, daytime,	
	decomposers,	germinate,		precipitation,	anvil,	species, survive,	earth, equator,	
	insects,	germination,		rate, solid, states	auditory	survival of the	flat earth, full	
	arachnids,	grow, growth,		of matter,	nerve, closer,	fittest , threat,	moon, galaxy,	
	food chains,	instructions,		temperature,	cochlea,	trait/characteristic.	gas planets,	
	herbivores,	leaves, life		viscosity, water	decreasing,	traits, variation	geocentric,	
	carnivores,	cycle, packet,		vapour	distance, ear	traito, variation	gibbous,	
	omnivores,	prediction,		vapoui	canal, ear		heliocentric, inner	
	Onlinevores,	reproduction,			drum,		planets, lunar	
		root, roots,			energy,		eclipse , lunar	
		seed, seed			fainter,		month, milky way,	
		coat, seed			faster,		moon, mythology,	
		leaves,			flautist, flute,		new moon, night-	
		seedling,			force,		time, northern	
		υ, -			,		,	
		shoot, sprout,			frequency,		hemisphere, orbit,	
		stem,			further, gas,		outer planets,	
		sunflower,			guitar,		phases of the	
		survive,			guitarist,		moon, planets,	
		variables			hammer,		prime meridian,	
					high,		rocky planets,	
					increasing,		rotate, solar	
	1				larger,		system, southern	
	1				length, liquid,		hemisphere,	
					loud, low,		spherical body,	
					musical		spherical earth,	
					instruments,		star, sun, theory,	
					particles,		tilt, time zone,	
	1				pinna, pitch,		universe,	
	1				protect,		volcano, waning,	
					quiet, slower,		waxing	
					smaller,			
					solid, sound,			
	1				source,			
	1				speed,			
	1				stirrup,			

	Γ	1	ı	I			1		Г	
							strength,			
							strings,			
							travel, tuning			
							fork, vibrate,			
							vibration,			
							violin,			
							violinist,			
							vocal cords,			
							volume,			
							wave			
	William Olara	Manda Olasa			0			Decel Olese		
	Willows Class	Maple Class Term 1	T 2	T 2	Sycamore Class Term 1		T 2	Beech Class Term 1	Term 2	T 2
2022	Term 1 Term 2 Term 3		Term 2	Term 3		Term 2	Term 3	-		Term 3
2023-	herbivore, face, carnivore, hair,	head, neck,	absorbent,	active, adapt,	(common bone	amphibian,	angle,	acid, alkali,	accomplishments,	addiction, amino
2024	omnivore, leg, human, knee,	leg, arm,	bend,	animals,	names),	annelid,	brighter,	attract, base,	altricial,	acids,
	animal, arm, fish, elbow, birds,	elbow,	biodegradable,	autumn,	(scientific bone	arachnid, bird,	closer,	chemical reaction,	amphibian,	analgesics,
	back, head, toes, ear, hands, eye,	finger,	bulletproof,	colder,	names),	botany,	concave	classify,	anther, arthropod,	arteries, artery,
	fingers, mouth, nose, tree, petals,	mouth, ears,	crops,	daylight, fall,	balanced, ball	carnivore,	mirror,	combustion,	asexual, bird,	atrium,
	trunk, fruit, branch, roots, leaves,	toes, feet,	discover,	forecasts, fruit,	and socket	characteristics,	convex	compass,	budding, bulbs,	biconcave,
	bulb, flowers, seed, stem, material,	hands,	fabric, flexible,	fungi,	joint, bone,	class,	mirror, direct	concentrated,	carpel, class,	blood vessel,
	metal, wood, rock, plastic, hard,	stomach,	glass,	hibernate,	carbohydrates,	classification,	line of sight,	condensation,	cnidarians,	capillaries,
	glass, soft, paper, fabric, material,	wrist, eyes,	invention,	leaves, longer,	cardiac ,	classification	faint, famous,	conductivity,	discoveries,	carbohydrates,
	smooth, shiny, rough, Summer,	ears, nose,	inventor,	migration,	carnivore,	key, conifers,	formed,	conductor,	echinoderm,	cardiovascular
	day, Spring, dark, Autumn, light,	senses,	Kevlar, litter,	month, nuts,	cartilage, diet,	consumer,	inventor,	corrosion, create,	embryo,	system,
	Winter, night, Season, Moon, Sun,	taste,	materials,	season,	endoskeleton,	crustacean,	lightbulb,	diluted, dissolve,	exoskeleton,	circulatory
	Earth, Moon, Planet, space, Sun,	sound,	metal, objects,	shorter, sleet,	exoskeleton,	deforestation,	man-made,	electrical,	fetus (foetus),	system,
	star, loud, quiet, volume, sound,	touch, sight,	opaque,	snow, spring,	fibre, food	depend,	mirrors,	evaporation,	filament, fish,	cytoplasm,
		smell, feel,	packaging,	summer,	chain,	echinoderm,	opaque,	filtrate, filtration,	gestation,	deoxygenated
		tongue	paper, plastic,	temperature,	herbivore,	ecosystem,	periscope,	freeze, hardness,	grafting, internal	blood,
			pledge,	warmer,	hinge joint,	environment,	phonograph,	improve,	organs,	depressant,
			pollution,	weather,	human,	ferns, fish,	plane mirror,	indicator,	invertebrate, life	diastole,
			properties,	winter, year,	invertebrate,	flowering, food	reflection,	insoluble,	cycle, mammal,	diffusion, drug,
			recycle, rigid,	amphibian,	involuntary,	chain, food web,	shadow,	insulator, iron,	molluscs,	fatty acids,
			rock, rubber,	animals,	ligament,	grasses, habitat,	source of	irreversible,	naturalist,	glucose,
			scientist,	backbone,	minerals,	herbivore,	light, sundial,	magnetic field,	offspring, ovary,	haemoglobin,
			shape, silicon	beak, birds,	movement,	identify, impact,	translucent,	magnetism, man-	ovoviviparous,	hallucinogens,
			chip, single-	carnivore,	muscle,	insects,	transparent	made, material,	ovule, parent	immunity,
			use, squash,	characteristics,	nutrition,	invertebrate,	appliance,	materials science,	plant, precocial,	lactate, lactic
			stretch,	claws, cold	omnivore,	local, mammal,	battery,	melt, metal,	propagating,	acid, lungs,
			suitability,	blooded,	organs,	microhabitat,	battery	mixture,	reproduction,	membrane,
			suitable,	describe, diet,	photosynthesis,	mollusc, mosses,	powered,	molecules,	reptile, runners,	minerals,
			symbols,	differences,	pivot joint,	natural/human,	break,	natural,	sexual,	nutrient,
			transparent,	ears, exercise,	protection,	nature reserve,	brighter,	neutralisation,	significant,	oxygenated
			twist,	eyes, feathers,	proteins,	negative, non-	buzzer,	particles,	species, sponges,	blood, plasma,
			unsuitable,	fins, fish,	skeletal	flowering,	circuit,	property, repel,	spores, stamen,	platelets,
			water.	freshwater,	muscle,	omnivore,	complete,	resistance,	stigma, style,	protein,
			waterproof,	gills, hearing,	skeleton,	organism,	component,	reversible,	Tanzania, tubers,	pulmonary
			wood, air,	herbivore,	smooth	pollution,	conductor,	saturated,	vertebrate,	circuit, red blood
			bark, blossom,	lungs,	muscle,	positive,	conducts,	semiconductor,	viviparous, worm,	cell, resting
			brambles,	mammal,	support,	positive/negative,	dimmer,	separation,	zoologist, zygote	heartrate,
			bulbs,	medicine,	tendon,	predator, prey,	electrical,	soluble, solute,	algae,	stimulant,
			buttercup,	mouth, nose,	vertebrate,	producer,	electricity,	solution, solvent,	angiosperms,	systemic
			clothing,	omnivore, pet,		protect,	energy,	steel, synthetic,	bacteria,	system, systole,

		1		I		1.1 12 24	
clover,		vitamins,	protozoa, reptile,	incomplete,	thermal,	biodiversity,	target heartrate,
daisy,	reptile,	voluntary	species,	insulates,	transparency, air	botany,	vein, ventricle,
dandeli	· · · · · · · · · · · · · · · · · · ·		urbanisation,	insulator,	resistance, anti-	bryophytes,	vitamins, white
decidue	,		vertebrate,	light, light	clockwise,	characteristics,	blood cell
evergre			zoology, absorb,	bulb, mains	balanced,	class,	
farmer,	fern, similarities,		adapt, anchor,	powered,	buoyancy,	classification,	
flower,	ood, skeleton, skin,		anther, bean,	material,	clockwise, contact	conservation,	
fruit, ga	rden skull, smell,		carpel,	motor, pass	force, density,	dichotomous key,	
plant, g	ass, taste, touch,		distributed,	through,	direction, drag,	evolution,	
grow,	vertebrate,		environment,	power, power	effort, force,	exoskeleton,	
honeys	uckle, warm blooded,		fertilisation,	source,	friction, fulcrum,	extinction family,	
hydran	jea, wild animal,		fertilizer,	switch, wire	gear, gradient,	family, fungi,	
insects			flowering, food,		gravitational	genus,	
lavende	r,		germination, life		force, gravity,	gymnosperms,	
leaves,	living		cycle, light,		heat,	habitat, hierarchy,	
thing,			nutrients, ovary,		kilograms/grams,	invertebrate,	
magno	a tree,		photosynthesis,		lever, load,	microorganism,	
marigo			pollination, roots,		machine,	non-vascular	
medicir			seed dispersal,		magnetism, mass,	plants, order,	
moss, i	ettle,		seed formation,		matter, newton	phylum, Plantae	
petals,	olant,		sepal, stamen,		meter, newtons,	Kingdom,	
pod, po			stem, support,		non-contact force,	protozoa.	
primula	raw,		survival, water,		pull, pulley, push,	species,	
roots ,r			transportation		pushing force,	taxonomist.	
seeds,	shrub,		'		streamlined,	taxonomy, The	
soil, ste	•				surface, surface	Linnaean System,	
sunflov					area, unbalanced,	vascular plants,	
sweet	· ·				upthrust, vacuum,	vertebrate,	
thistle,					water resistance.	viruses	
trunk, v					weight		
wild pla					Ŭ		